

FLEXICALYMENE SHIRLEY, 1936 (CLASS TRILOBITA); PROPOSAL
TO PLACE ON THE OFFICIAL LIST OF GENERIC NAMES IN
ZOOLOGY. Z.N.(S.) 1529

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In error in the Treatise on Invertebrate Paleontology (:452) I listed the name *Orimops* Rafinesque, 1832 (:72) as a synonym of *Flexicalymene* Shirley, 1936 (:395). *Orimops* should have been listed as an unrecognisable genus, and the present application is intended to ensure the stability of the name *Flexicalymene*.

2. The type-species of *Flexicalymene* is *Calymene blumenbachii* var. *caractaci* Salter, 1865 (:96), and was redescribed by Shirley (1931 : 25-28). The type-specimens, no. 47698, are preserved on a slab in the Geological Survey Museum, London. The name *Flexicalymene* has been widely accepted and is in current use.

3. The type-species of *Orimops* is *Calymene callicephala* Green, 1832. A brief diagnosis (1832a : 558) and a longer account (1832b : 30-31) of the type were given by Green, without an illustration, but with a locality. Casts of the type were circulated with Green's monograph (1832b) and are preserved in many museums. Green's original specimens have long been considered lost (Foerste, 1910 : 83) and Dr. Horace G. Richards, of the Academy of Natural Sciences of Philadelphia, informs me (personal communication, March 1962) that they "have been unable to locate any of them, even those which are stated as belonging to the Academy; so I am afraid that these originals are lost". Green's locality "Hampshire, Virginia" is vague, and was interpreted by Foerste (1910 : 83) as being one of the north-eastern counties of West Virginia. No new material has been forthcoming, and in the absence of this or the type, there cannot be a taxon to which the name *O. callicephala* is applicable. Paleontologists since Bassler (1915 : 166) have agreed in regarding the species as unrecognisable and the name has not been used. It follows that the genus *Orimops* is unrecognisable, and cannot be regarded, as Fisher (1957 : 18, 32) did, as a senior synonym of *Flexicalymene*.

4. If the discovery of new material makes possible the recognition of new *Orimops callicephala*, then it may become evident that *Orimops* is a senior synonym of *Flexicalymene*. In this event the question of whether or not *Orimops* is to be considered a *nomen oblitum* may be referred to the Commission. In the existing circumstance I ask that the International Commission on Zoological Nomenclature should :

- (a) place the name *Flexicalymene* Shirley, 1936 (gender : feminine), type-species by original designation *Calymene caractaci* Salter, 1865, on the Official List of Generic Names in Zoology ;
- (b) place the undermentioned name on the Official List of Specific Names in Zoology : *caractaci* Salter, 1865, as published in the combination

Calymene blumenbachii var. *caractaci* (specific name of type-species of *Flexicalymene* Shirley, 1936).

REFERENCES

- Bassler, R. S., 1915. Bibliographic Index of American Ordovician and Silurian Fossils, vol. I. *U.S. Nat. Mus., Bull.* 92 : 1-718
- Fisher, D. W., 1957. Mohawkian (Middle Ordovician) Biostratigraphy of the Wells Outlier, Hamilton County, New York. *N.Y. State Museum Sci. Serv., Bull.* 359 : 1-33, pls. 1-6
- Foerste, A. F., 1910. Preliminary Notes on Cincinnati and Lexington Fossils of Ohio, Indiana, Kentucky and Tennessee. *Bull. Sci. Lab. Denison Univ.*, 16 : 17-87, pls. 1-6
- Green, J., 1832a. Synopsis of the trilobites of North America : *Monthly Amer. Jour. Geol. and Nat. Hist.* 1, no. 12 : 558-560, pl. 14
- , 1832b. *A monograph of the Trilobites of North America : with coloured models of the species.* Philadelphia : 1-94
- Rafinesque, C. S., 1832. On the genera of fossil Trilobites or Glomerites of North America. *Atlantic Jour. and Friend of Knowledge* 1(2) : 71-73
- Salter, J. W., 1864-1883. *A Monograph of the British Trilobites.* Palaeontogr. Soc. : 1-224, pls. 1-30
- Shirley, J., 1931. A redescription of the known British Ordovician Species of *Calymene* (s.l.). *Mem. Proc. Manchester Litt. Phil. Soc.* 75 : 1-35, pls. 1, 2
- , 1936. Some British Trilobites of the Family Calymenidae. *Quart. Jour. Geol. Soc., London* 92 : 384-422, pls. 29-31